

## Declaration and Power of Attorney for Patent Application

### English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

'PASSIVE COOLING AND ARRESTING DEVICE FOR THE MOLTEN CORE MATERIAL'

The specification of which

- ☐ is attached hereto.
- ☐ was filed on \_\_\_\_\_  
as Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)
- ☒ was filed as PCT international application  
No. PCT/KR2005/000369 on February 7, 2005  
and was amended under PCT Article 19 on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  
I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s)    |                           |   | <u>Priority Claimed</u>                    |                                |
|---------------------------------|---------------------------|---|--|--------------------------------|
| <u>10-2004-8767</u><br>(Number) | <u>Korea</u><br>(Country) | <u>10/February/2004</u><br>(Day/Month/Year Filed) | <input checked="" type="checkbox"/><br>Yes | <input type="checkbox"/><br>No |
| <br>_____<br>(Number)           | <br>_____<br>(Country)    | <br>_____<br>(Day/Month/Year Filed)               | <input type="checkbox"/><br>Yes            | <input type="checkbox"/><br>No |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| <u>(Application Serial No.)</u> | <u>(Filing Date)</u> | <u>(Status)</u><br>(patented, pending, abandoned) |
|---------------------------------|----------------------|---|
|                                 |                      |   |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the

knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

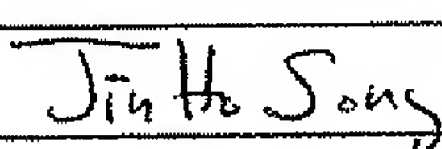
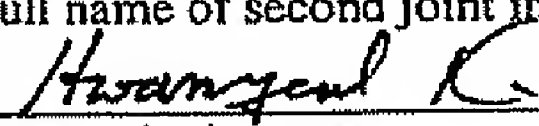
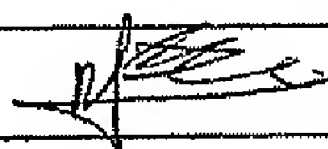
**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

|                         |        |                    |        |                      |        |
|-------------------------|--------|--------------------|--------|----------------------|--------|
| William H. Logsdon      | 22,132 | Russell D. Orkin   | 25,363 | David C. Hanson      | 23,024 |
| Frederick B. Ziesenheim | 19,438 | Richard L. Byrne   | 28,498 | Kent E. Baldauf, Sr. | 25,826 |
| Barbara E. Johnson      | 31,198 | Paul M. Reznick    | 33,059 | John W. McIlvaine    | 34,219 |
| Julie W. Meder          | 36,216 | Lester N. Fortney  | 38,141 | Kirk M. Miles        | 37,891 |
| Randall A. Notzen       | 36,882 | James G. Porcelli  | 33,757 | Kent E. Baldauf, Jr. | 36,082 |
| Christian E. Schuster   | 43,908 | Patricia A. Olosky | 53,411 | Jessica M. Schroth   | 47,102 |
| Nathan J. Prepelka      | 43,016 | James J. Bosco     | 51,489 | Darrell E. Williams  | 45,222 |
| Gary F. Matz            | 45,504 | Alex Detschelt     | 50,261 | Philip J. Foret      | 51,689 |
| J. Matthew Pritchard IV | 46,228 | Gwen R. Acker Wood | 51,027 |                      |        |

Send Correspondence to:

**Kent E. Baldauf, 700 Koppers Building, 436 Seventh Avenue, Pittsburgh PA 15219-1818**

Direct Telephone calls to: (name and telephone number) **Kent E. Baldauf 412-471-8815**

|  |  |                            |               |
|--|--|----------------------------|---------------|
| Full name of sole or first inventor  |  | SONG, Jin Ho               |               |
| Inventor's signature   |  | Date                       | July 24, 2006 |
| Residence  |  | Daejeon, Republic of Korea |               |
| Citizenship  |  | Republic of Korea          |               |
| Post Office Address<br>108-701 Expo Apt., Jeonmin-dong, Yusung-gu, Daejeon 305-761, Republic of Korea  |  |                            |               |
| Full name of second joint inventor, if any   |  | KIM, Hwan Yeol             |               |
| Inventor's signature   |   | Date                       | July 18, 2006 |
| Residence  |  | Daejeon, Republic of Korea |               |
| Citizenship  |  | Republic of Korea          |               |
| Post Office Address<br>119-105 Hanbit Apt., Eoeun-dong, Yusung-gu, Daejeon 305-755, Republic of Korea  |  |                            |               |
| Full name of third joint inventor, if any  |  | MIN, Beong Tae             |               |
| Inventor's signature   |   | Date                       | July 19, 2006 |
| Residence  |  | Daejeon, Republic of Korea |               |
| Citizenship  |  | Republic of Korea          |               |
| Post Office Address<br>103-1301 Hanbit Apt., Eoeun-dong, Yusung-gu, Daejeon 305-755, Republic of Korea |  |                            |               |
| Full name of fourth joint inventor, if any   |  | KIM, Hee Dong              |               |

|                      |  |      |                  |
|----------------------|--|------|------------------|
| Inventor's signature | <i>Hee Bong Kim</i>  | Date | <i>7/24/2006</i> |
| Residence            | Daejeon, Republic of Korea   |      |                  |
| Citizenship          | Republic of Korea  |      |                  |
| Post Office Address  | 132-603 Hanbit Apt., Eoeun-dong, Yusung-gu, Daejeon 305-755, Republic of Korea |      |                  |